

The Data attached is not part of a Lake Quinault Pollution Study. It is data sets of sampling sites on Lake Quinault that are part of the Quinault Nation ambient water quality monitoring program.

FOIA question: What contaminants were sampled for?

Response: E. Coli Bacteria (fecal coliform).

FOIA question: What were the sampling points?

Response: The sampling locations are listed in the attached sample information.

FOIA question: Was there a sampling plan?

Response: Yes, see "V. Quality Assurance Documents" in the attachment.

FOIA Question: Were there written sampling procedures that were followed?

Response: Yes, see Quality Assurance Documents question above.

FOIA Questions: What levels are these results being compared to? Maximum Contaminant Levels (MCL) as designated by WA under its Clean Water Act Authority? Total Maximum Daily Load (TMDL)? What is the Designated Use of Lake Quinault? What percentage of the samples exceeded these levels?

Response: See the attached data for details.

V. Quality Assurance

Several EPA approved Quality Assurance Project Plans (QAPPs) guide WQP surface water-monitoring program. Specifically, to the ambient water quality parameters, *E. coli* bacteria, and gaged stream discharge, respectively are based on QAPPs created in 2010 (GeoEngineers, Inc. 2010a; GeoEngineers, Inc. 2010b; EES Consulting, Inc. 2010). Another EPA approved QAPP supported a 2009 Priority Pollutant monitoring event at five Reservation stations (GeoEngineers 2009). While not implemented in the last three years, this assessment work may be repeated subject to available funds in the future. Additionally, the WQP developed and received EPA QAPP approval for the implementation of three new monitoring projects in 2011: the Peak Queets River Watershed Temperature, Queets River Watershed Instantaneous Discharge at Baseflow Conditions, and a Queets River Watershed Thermal Infrared Radiometry Flight, respectively (GeoEngineers, Inc. 2011a; GeoEngineers, Inc. 2011b; Watershed Sciences, Inc. 2011).

Methods for site selection, sample collection and analysis are described in detail in the above identified EPA approved Quality Assurance Project Plans (QAPPs) for the surface water-monitoring program. An accredited laboratory performs all assessment project chemical measurements. To ensure that data are accurate, precise and comparable to other data sets, Standard Operating Procedures (SOP) or methods are used each time data are collected. The SOPs followed are listed in each QAPP or are completed in accordance with the methods recommended in Standard Methods for the Examination of Water and Wastewater 20th ED.

Quality Assurance Documents				
Type	Title	Initial Document and EPA Review	Current QIN Document Completion Date	EPA Approval/Date
QAPP	Ambient Water Quality	2002	February 2010	2010
QAPP	<i>E. Coli</i> Bacteria	?	January 2010	March 2010
QAPP	Stream Discharge	?	April 2010	September 2010
QAPP	Clean Water Act Priority Pollutants	December 2009	December 2009	December 2009
QAPP	Queets River Watershed Peak Water Temperature Assessment	June 2011	June 2011	June 2011
QAPP	Queets River Watershed Instantaneous Discharge	August 2011	August 2011	August 2011
QAPP	Queets River Watershed Thermal Infrared Radiometry Flight	July 2011	July 2011	July 2011

**TRIBAL WATER QUALITY
ASSESSMENT REPORT**

CALENDAR YEAR 2012

QUINULT INDIAN NATION

**Quinault Natural Resources Division
Environmental Protection Department
Water Quality Program**

Date Issued: March 20, 2013

Time Period: January 1, 2012 to December 31, 2012 - Section 106 Clean Water Act Activities

Tribal Contact: Tom Gibbons, Quinault Indian Nation Water Quality Program Section Leader

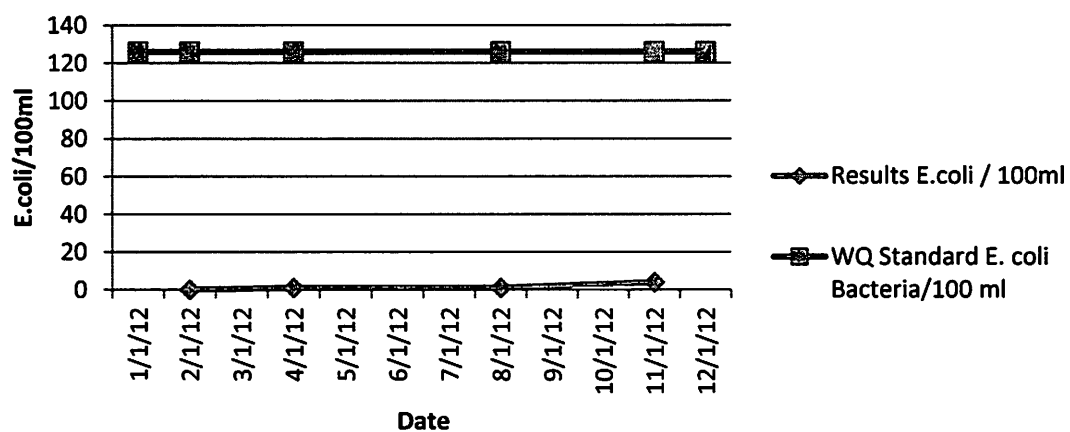
Phone: (360) 276-8211 x371

E-mail: tgibbons@quinault.org

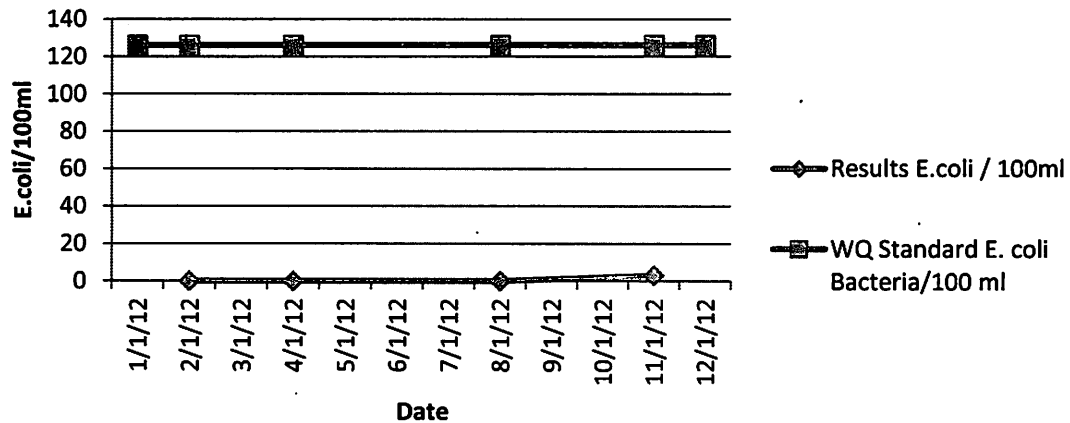
Table 5: Basic QIN *E. coli* Bacteria Statistics for 2012

	Mean	Median	Minimum	Maximum	Count	Sample Events
Station ESC01: Moclips River Near Mouth						
Result #/100 ml	22	7	1	5	5	5
Station ESC02: Moclips River Aloha Mainline South of Moclips HWY						
Result #/100 ml	8	5	1	17	5	5
Station ESC03: Quinault River Near Mouth						
Result #/100 ml	17.5	19.5	6	25	4	4
Station ESC04: Quinault River at Fishermen's Bar						
Result #/100 ml	7.3	5.5	0	18	4	4
Station ESC05: Quinault River Amanda Park Boat Launch						
Result #/100 ml	1.5	1	0	4	4	4
Station ESC06:- Lake Quinault Old State Highway 9 Road East of Pen Rearing						
Result #/100 ml	0.8	0	0	3	4	4
Station ESC07: Lake Quinault Near Mouth of Falls Cr. by USFS						
Result #/100 ml	1.5	1.0	0	4	4	4
Station ESC08: Upper Quinault River Downstream of Bridge that Connects North Shore & South Shore Roads						
Result #/100 ml	6.8	5	0	15	5	4
Station ESC09: Lake Quinault At July Creek						
Result #/100 ml	0.8	1	0	2	5	4
Station ESC10: Lake Quinault at Kamp Kiwanas						
Result #/100 ml	1	1	0	2	4	4
Station ESC11: Raft River at 4070 Road Bridge						
Result #/100 ml	16.8	14.5	0	38	4	4
Station ESC12: Queets River at Fish House						
Result #/100 ml	11.2	4	2	27	5	4
Station ESC13: Queets River at Fishermen's Bar Near Queets Village						
Result #/100 ml	13.8	16	1	22	4	4

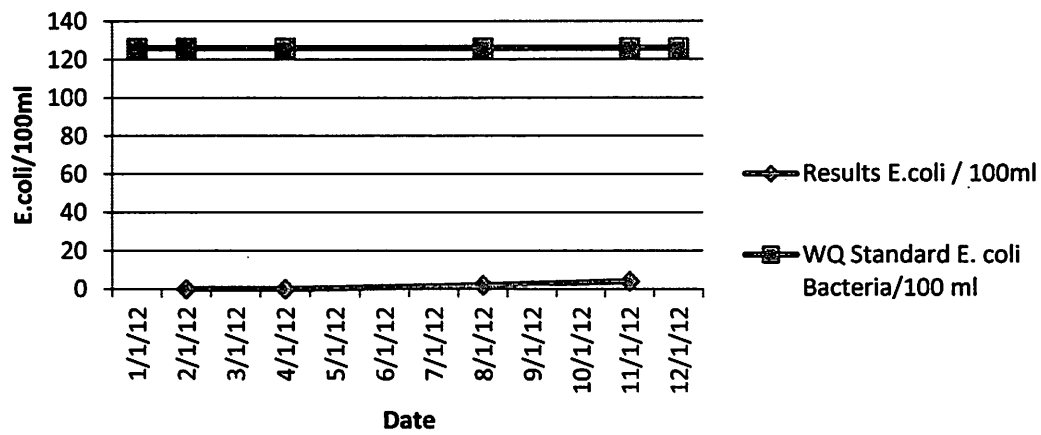
**2012 E. coli Bacteria: ESC05 - Quinault River at the
Amanda Park boat launch**



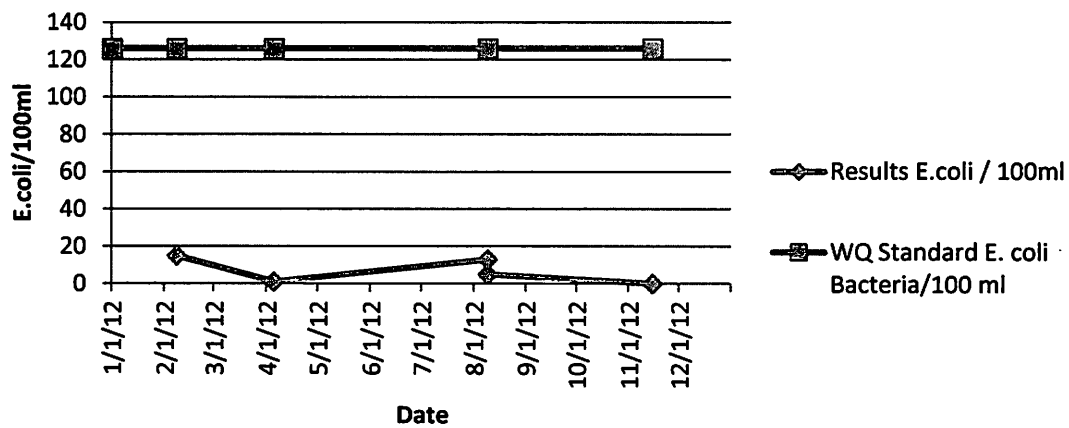
**2012 E. coli Bacteria: Station ESC06 - Lake Quinault at the Old
State Highway 9 East of Pen Rearing fish hatchery**



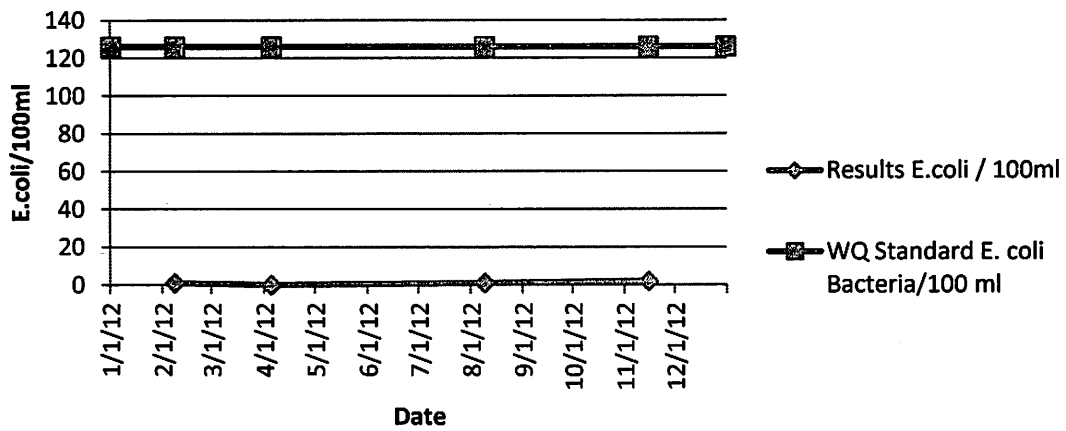
2012 E. coli Bacteria: Station ESC07 - Lake Quinault near Falls Creek at USFS



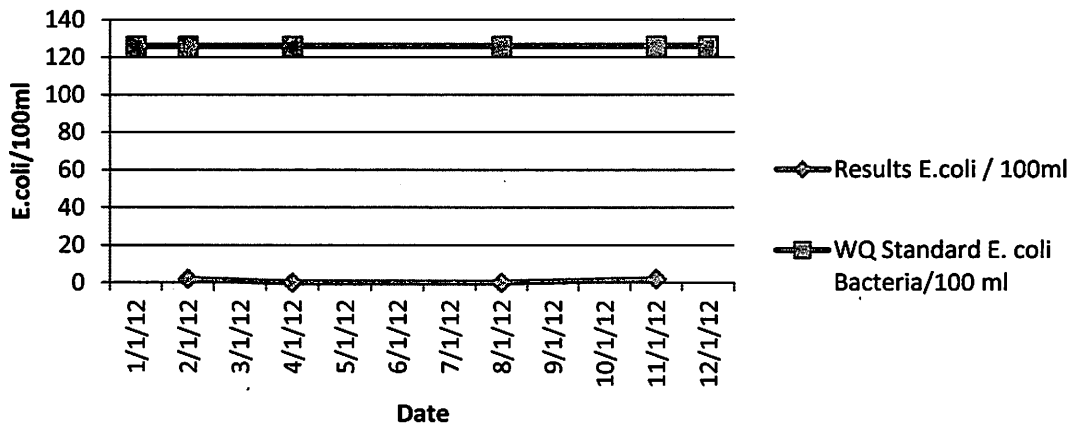
2012 E. coli Bacteria: Station ESC08 - Upper Quinault River at the bridge that connects North and South Shore roads



**2012 E. coli Bacteria: Station ESC09 - Lake Quinault at July Creek
on the North Shore road**



**2012 E. coli Bacteria: Station ESC10 - Lake Quinault at Kamp
Kiwanas on the North Shore road**



**TRIBAL WATER QUALITY
ASSESSMENT REPORT**

CALENDAR YEAR 2011

QUINULT INDIAN NATION

**Quinault Natural Resources Division
Environmental Protection Department
Water Quality Program**

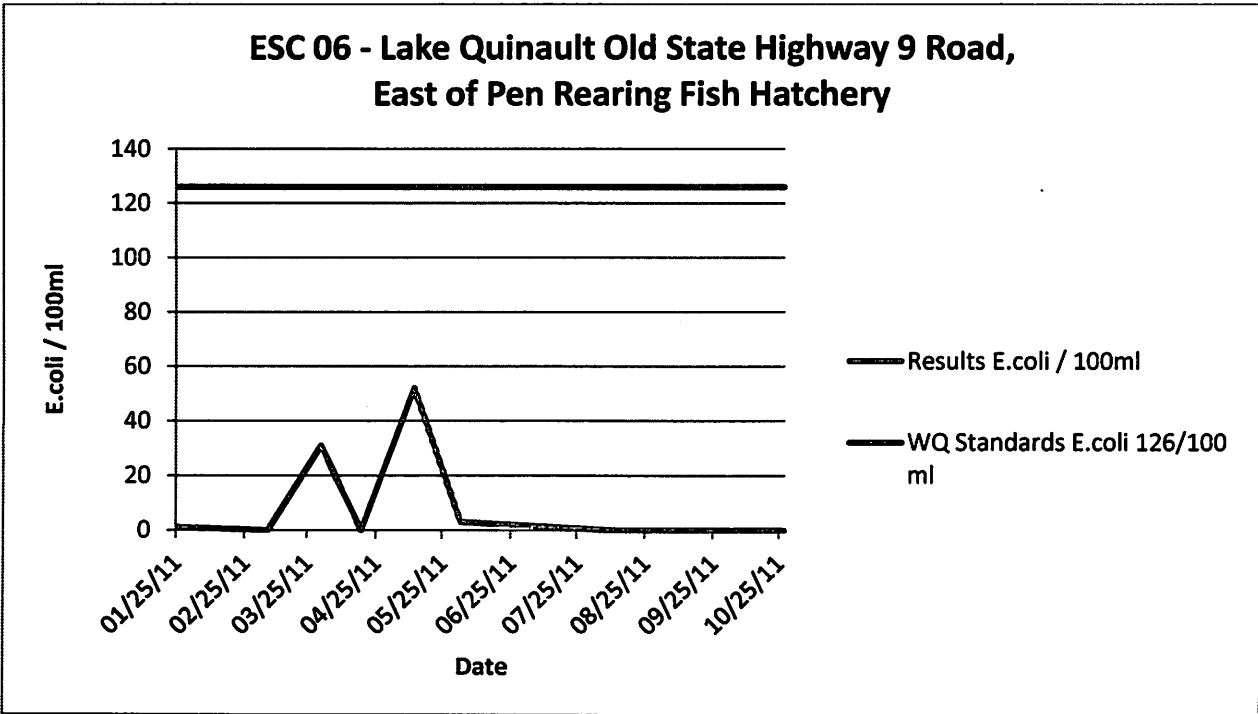
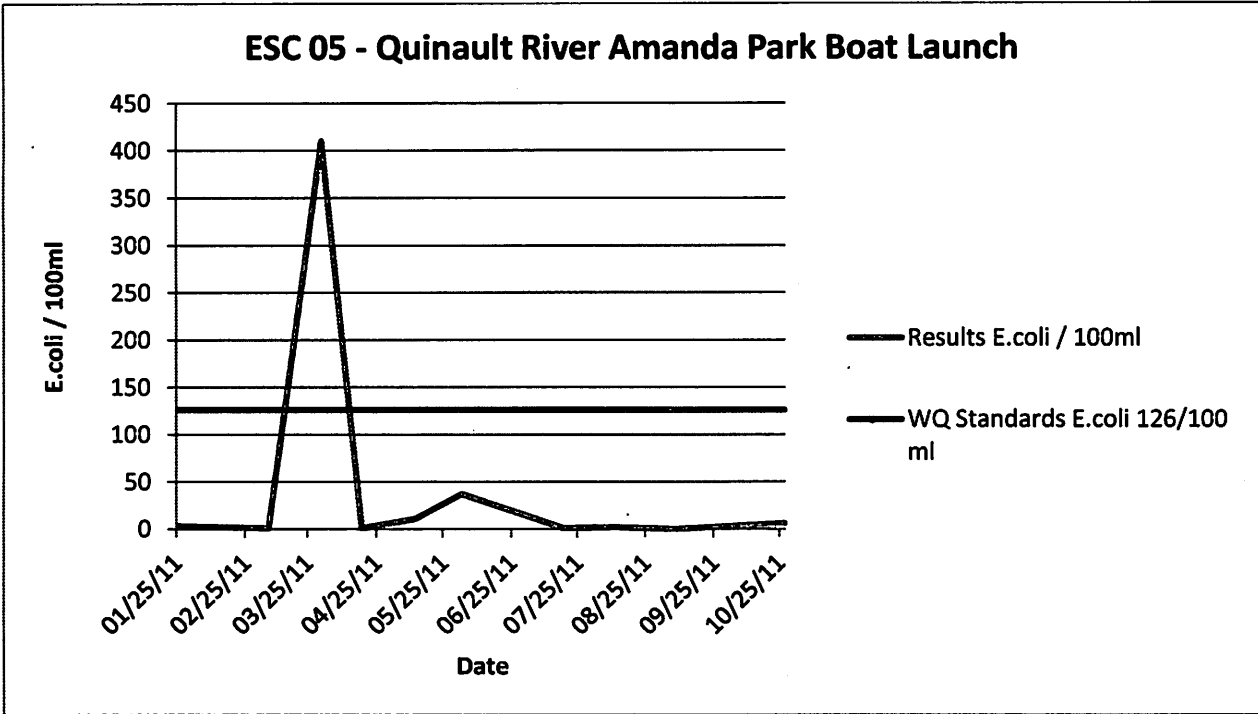
Date Issued: April 6, 2012

Time Period: January 1, 2011 to December 31, 2011 - Section 106 Clean Water Act Activities

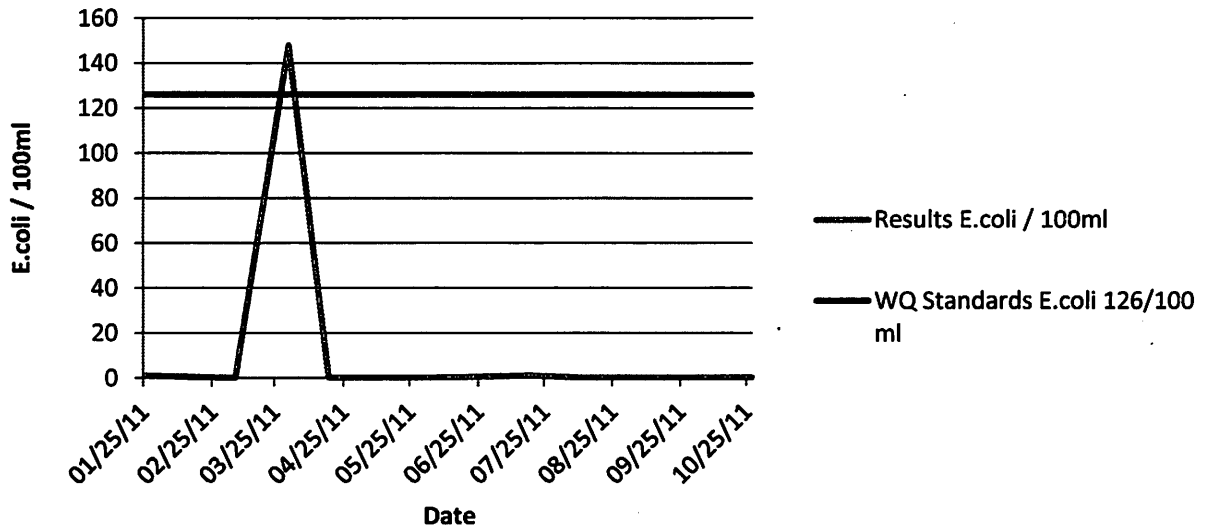
Tribal Contact: Tom Gibbons, Quinault Indian Nation Water Quality Program Section Leader

Phone: (360) 276-8211 x371

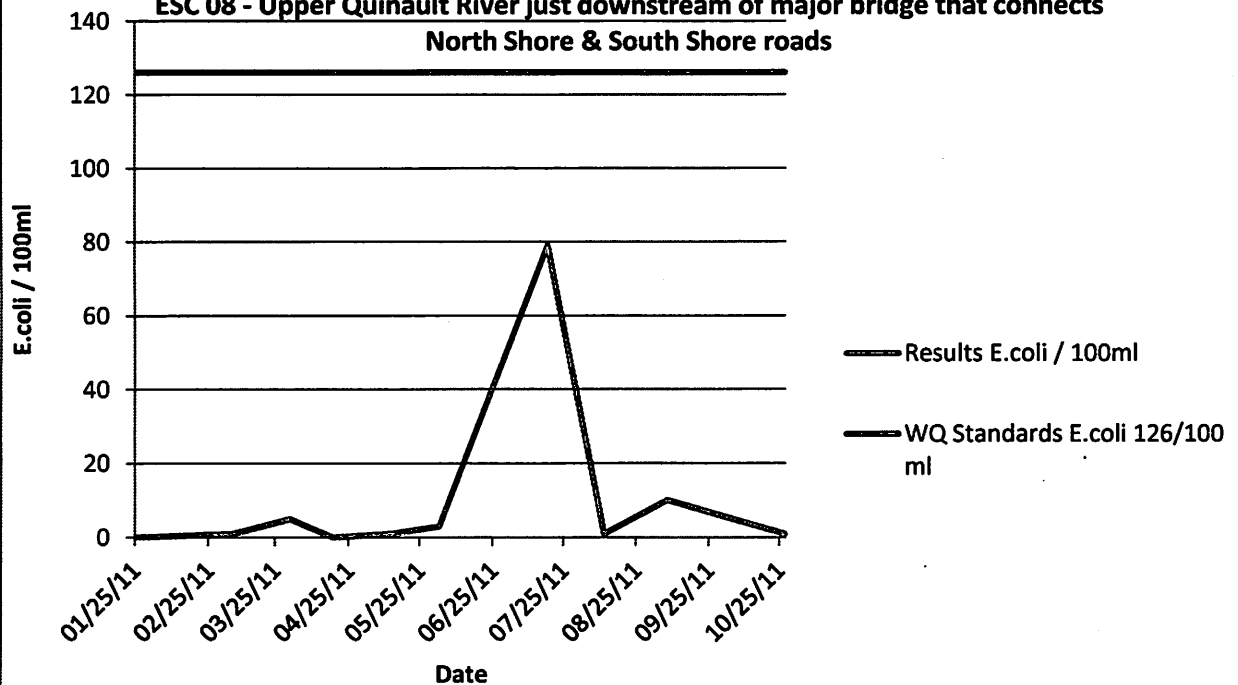
E-mail: tgibbons@quinault.org



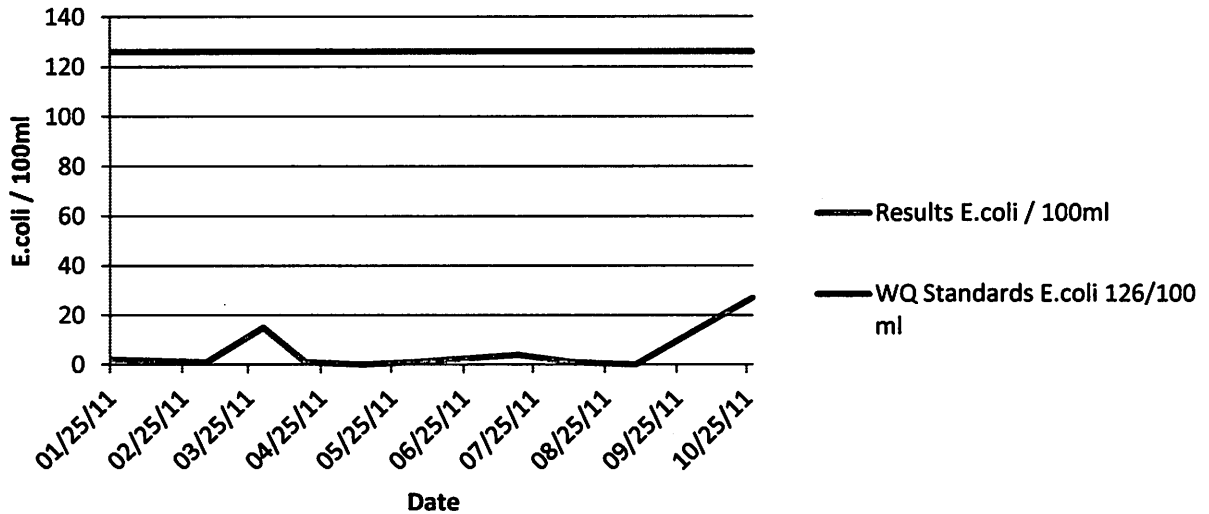
**ESC 07 - Lake Quinault
(Near mouth of Falls Cr. by Forest Service office)**



**ESC 08 - Upper Quinault River just downstream of major bridge that connects
North Shore & South Shore roads**



**ESC 09 - Lake Quinault at July Creek
(day use area on North Shore Rd., upstream July Cr.)**



**ESC 10 - Lake Quinault at Kamp Kiwanas
(North Shore Rd.)**

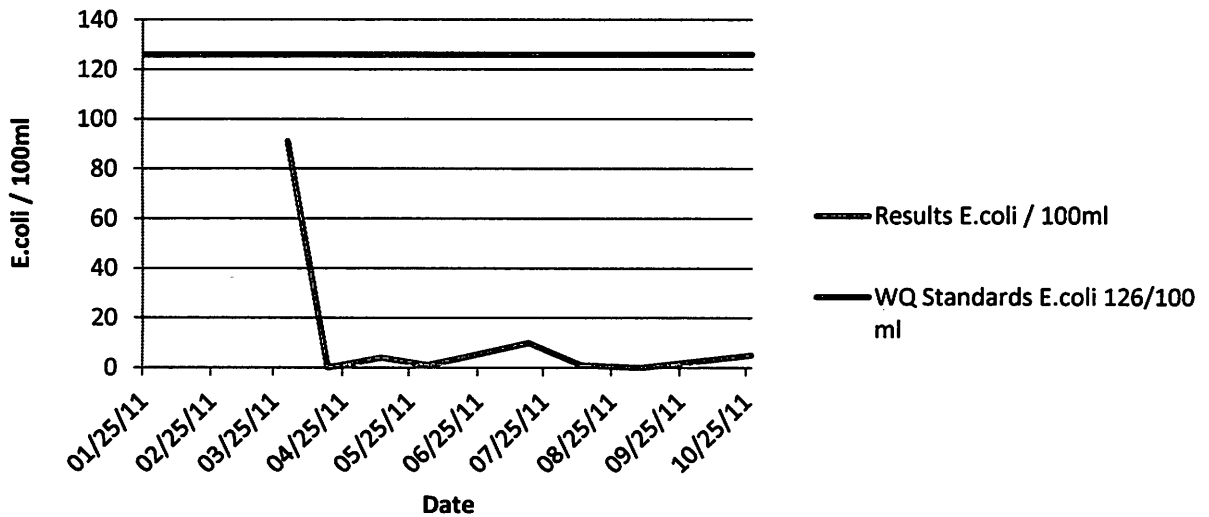


Table 5: Basic QIN *E. coli* Bacteria Statistics for 2011 (January through October)

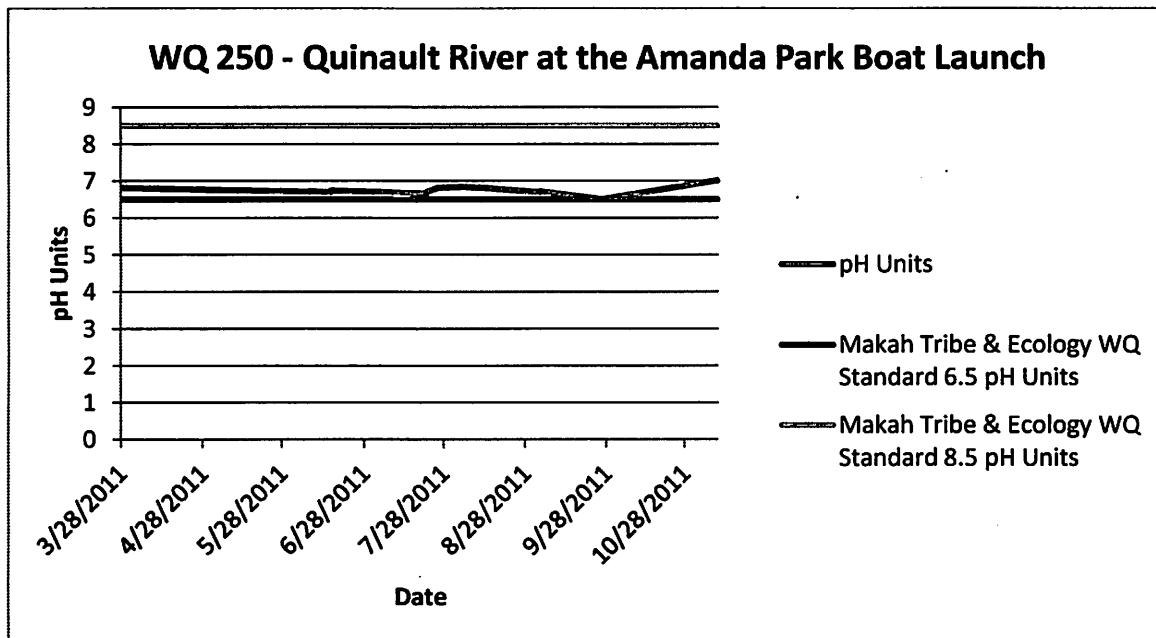
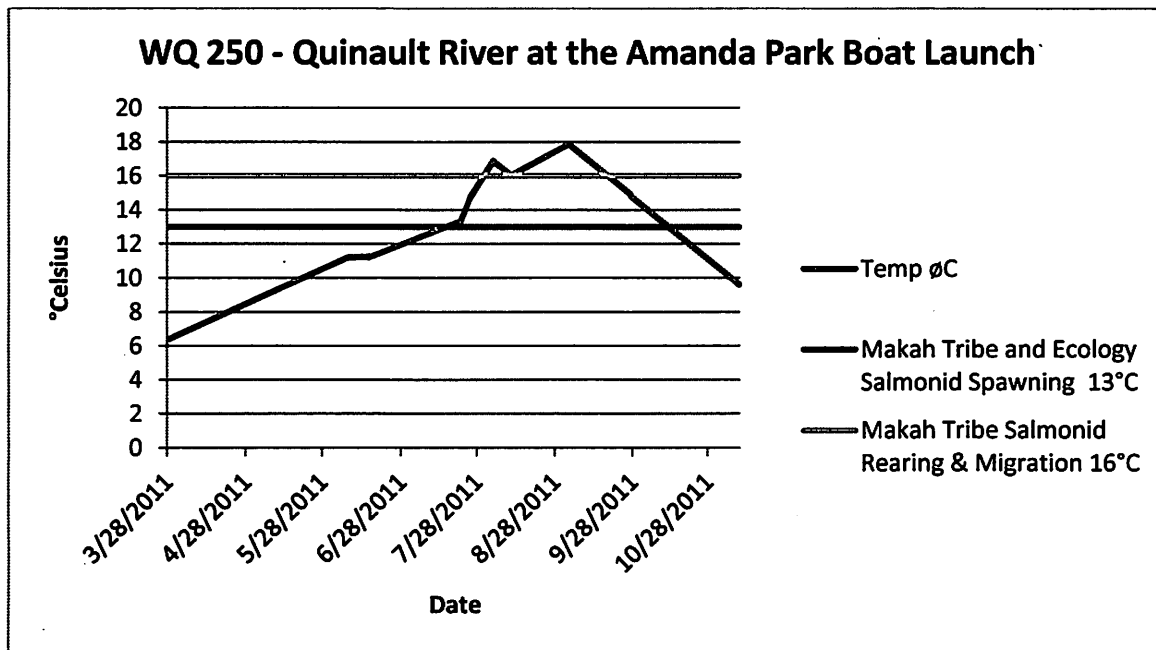
	Mean	Median	Minimum	Maximum	Count	Sample Events
Station ESC01: Moclips River Near Mouth						
Result #/100 ml	27	13	1	96	11	11
Station ESC02: Moclips River Aloha Mainline South of Moclips HWY						
Result #/100 ml	14	7	0	50	11	11
Station ESC03: Quinault River Near Mouth						
Result #/100 ml	79	34	3	548	10	10
Station ESC04: Quinault River at Fishermen's Bar						
Result #/100 ml	12	8	0	43	10	10
Station ESC05: Quinault River Amanda Park Boat Launch						
Result #/100 ml	47	3	0	410	10	10
Station ESC06:- Lake Quinault Old State Highway 9 Road East of Pen Rearing						
Result #/100 ml	8	1	0	52	11	10
Station ESC07: Lake Quinault Near Mouth of Falls Cr. by USFS						
Result #/100 ml	14	0	0	148	11	10

Table 5: Basic QIN *E. coli* Bacteria Statistics for 2011 (January through October [continued])

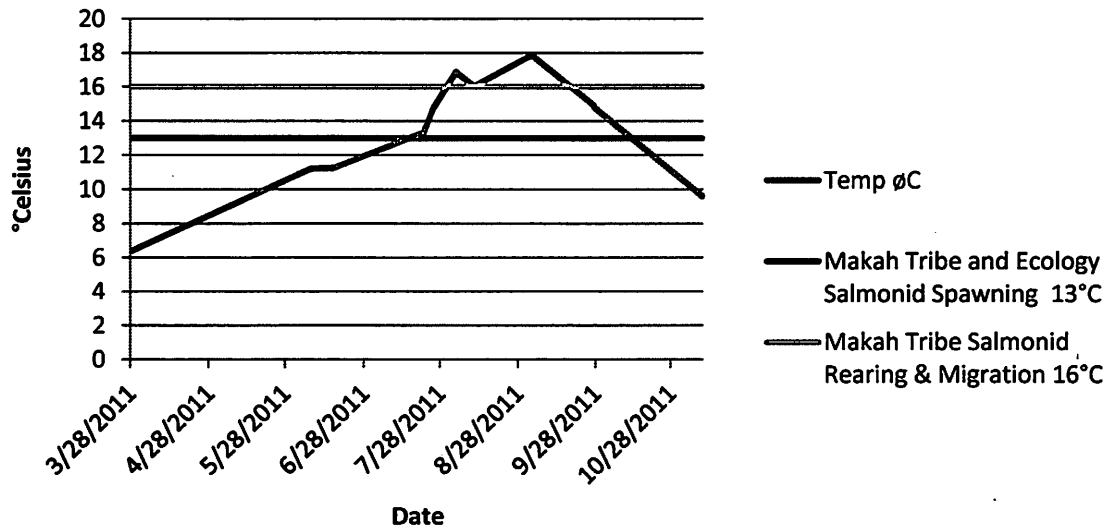
Station ESC08: Upper Quinault River Downstream of Bridge that Connects North Shore & South Shore Roads						
Result #/100 ml	10	1	0	79	10	10
Station ESC09: Lake Quinault At July Creek						
Result #/100 ml	6	1	0	27	11	10
Station ESC10: Lake Quinault at Kamp Kiwanas						
Result #/100 ml	13	4	0	91	9	9
Station ESC11: Raft River at 4070 Road Bridge						
Result #/100 ml	10	7	2	29	11	10
Station ESC12: Queets River at Fish House						
Result #/100 ml	31	21	0	167	11	10
Station ESC13: Queets River at Fishermen's Bar Near Queets Village						
Result #/100 ml	35	15	0	228	11	10
Station ESC14: Clearwater River at picnic bar off of Clearwater Road						
Result #/100 ml	14	11	0	41	12	10
Station ESC15: Queets River Under Clearwater Road Bridge						
Result #/100 ml	16	10	0	40	11	10
Station ESC16: Moclips River downstream of WWTP						
Result #/100 ml	13	8	0	45	12	12

Table 6: Basic Ambient Water Quality Statistics for 2011 (continued)

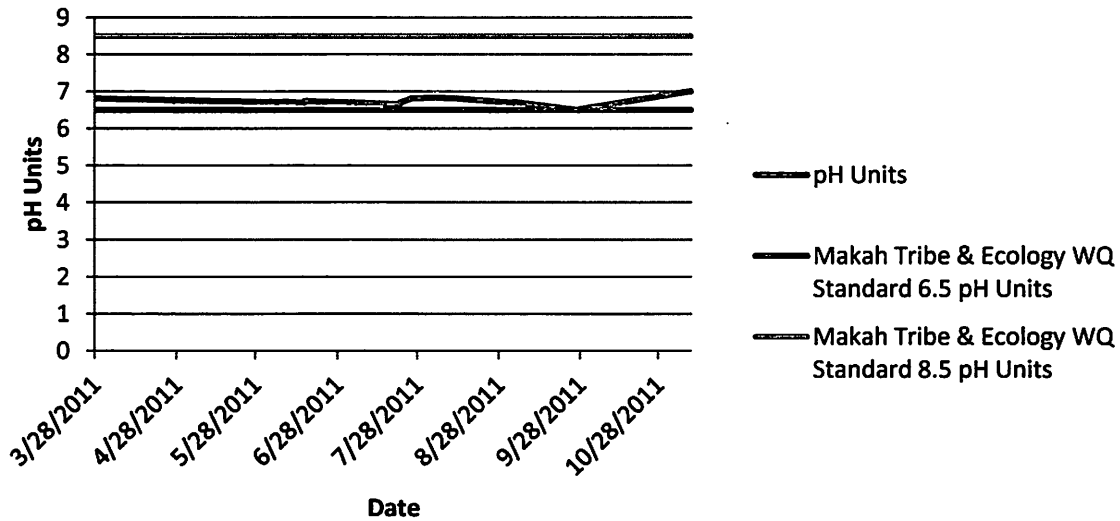
	Temperature (°C)	pH	Dissolved Oxygen (mg/L)	Turbidity (NTU)
Station WQ250: Quinault River at the Amanda Park Boat Launch				
Mean	13.03	6.76	11.21	2.7
Median	13.32	6.74	10.94	0.7
Minimum	6.38	6.49	10.26	0
Maximum	17.88	7.01	12.34	26
Count	33	33	33	33
Sample Events	10	10	10	10
Station WQ 275: Upper Quinault River on South Shore Road at County Line				
Mean	9.26	6.20	10.60	6.2
Median	9.55	6.3	10.64	1.25
Minimum	6.76	5.5	8.67	0
Maximum	11.56	6.45	12.96	31.6
Count	30	30	30	30
Sample Events	10	10	10	10
Station WQ319: Raft River Tributary 21.0357 at 4070 Road Bridge				
Mean	10.15	4.81	11.08	1.1
Median	10.92	5.00	10.63	0.65
Minimum	6.5	3.64	9.7	0
Maximum	12.27	5.37	13.32	3.7
Count	30	30	30	30
Sample Events	10	10	10	10



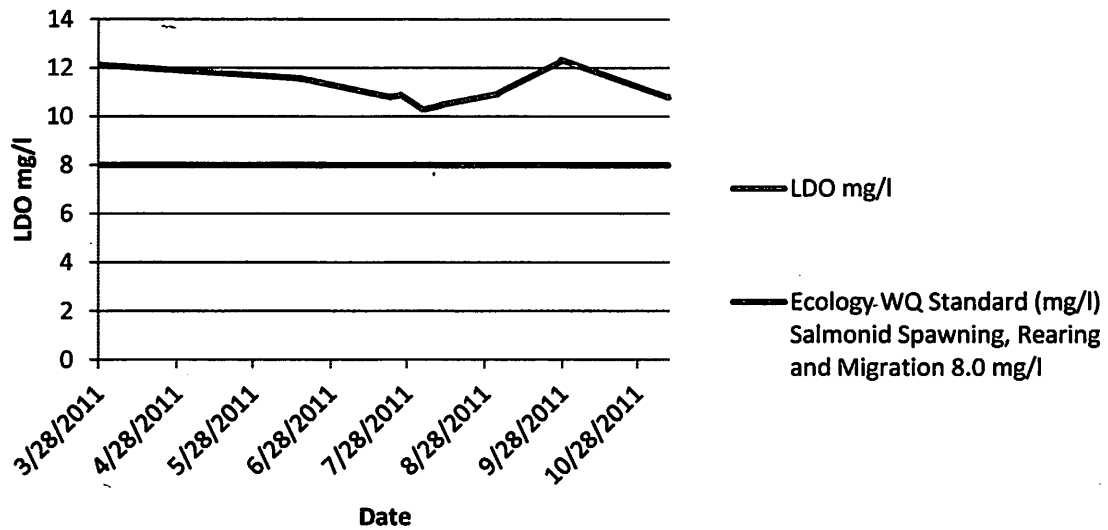
WQ 250 - Quinault River at the Amanda Park Boat Launch



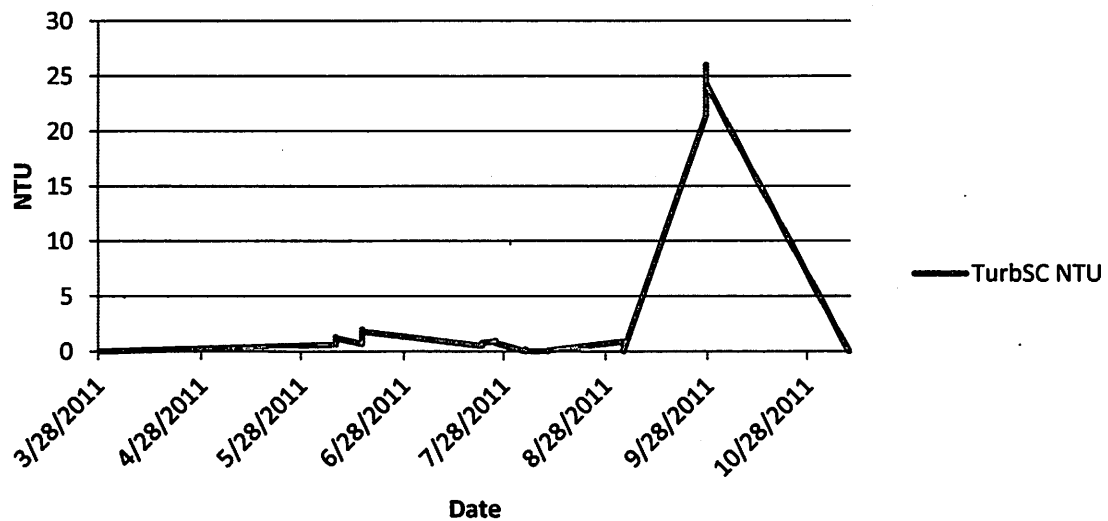
WQ 250 - Quinault River at the Amanda Park Boat Launch



WQ 250 - Quinault River at the Amanda Park Boat Launch



WQ 250 - Quinault River at the Amanda Park Boat Launch



Jan - June 2010

Quinault River (includes Lake Quinault)

E. Coli Bacteria:

Station ESC05 Amanda Park Boat Launch in June (single sample exceeded EPAs goldbook standard [geometric mean] of 126/100 ml).

pH: Tributaries of the Lower Quinault River (Canyon Creek [WQ210] and Ten O'clock Creek [WQ 240] had pH in the 5s and 6s. In May and June the Canyon Creek station was in the low 6s.

Raft River

pH: A tributary of the Main Fork of the Raft River (Tributary 21.0357 [WQ319] had pH between the low 5s and low 6s. The Main Fork Raft River station (WQ320) had pH in the low 6s in April and May. And the North Fork Raft River station (WQ330) was in the upper 5s in May.

Queets River

No exceedences observed for any parameter.

Task 3.1: Certified/Accredited Analytical Laboratory Services and Consultant support to advise or write QIN monitoring project QAPP (for E. Coliform bacteria, ambient water quality, streamflow, Salmon/Clearwater River projects, and the Chehalis River project[s]) and to provide data interpretation, summary data reports, and/or other technical assistance.

Through joint planning and direction with the WQP, GeoEngineers created the following QAPPs for the WQP:

- E. Coli and Total Coliform Bacteria
- Ambient Water Quality Parameters

These QAPPs were submitted to the EPA for review and approval. EPA approved both QAPPs in the first half of 2010. GeoEngineers also wrote a report interpreting and validating the data results for the WQPs December 2009 priority pollutant sample event.

Through joint planning and direction with the WQP, EES Consulting created a stream discharge QAPPs for the WQP. The WQP received a first draft of this QAPP in April 2010, but had to table further work to finalize the QAPP in favor of other work priorities. EES Consulting has submitted a second draft of this QAPP that the WQP will review and submit to the EPA for review/approval by early August 2010.

Lastly, the WQP anticipates tasking GeoEngineers with additional technical assistance and provide QAPP development in the last half of 2010 (Salmon/Clearwater River projects, and the Chehalis River project[s]).

Task 1: Collect Bi-weekly *E. Coli* water samples from the Quinault, Queets, Moclips, and Raft Rivers and also Lake Quinault (Amanda Park and Falls Creek).

The QIN Water Quality Program (WQP) collected monthly *E. coli* surface water sample data to continue an on-going monitoring project. I am not sure where the scope of work “bi-monthly” frequency comes from except it is a miscommunication regarding monitoring project’s frequency (changed from twice/month to once/month in late 2008) with allowance for follow-up sampling when high *E. coli* counts are seen.

All *E. coli* sample bacteria analysis was completed by Grays Harbor County Environmental Health Division (State certified laboratory). Of note were two *E. Coli* sample results collected during November. Our November sample event followed a month of significant rainfall that replenished watershed soil moisture and several days of heavy precipitation occurred just before and during the sample event. Two stations showed elevated levels of *E. coli* during the November 2009 sampling event that would likely result in exceedences of water quality standards (compared to the EPA Colville-promulgated and national water quality standards of 126/100ml). These stations and results were:

11/16/09 CS-4 Queets River Hwy 101	613 colonies/100ml
11/16/09 CS-5 Lake Quinault Amanda Park	248 colonies/100ml

These results suggest both the lower Queets River and Lake Quinault likely have discharges of *E. coli* to surface waters when heavy rainfall saturates the soils where disposal systems (septic drainfields exist). Hence, it is likely many septic drainfields are inadequately sized, old/outdated, and/or are otherwise failing during wet weather events and are adversely impacting QIR water quality and poses a human health problem.

In regards to chemical analysis of surface waters for priority and non-priority pollutants, I have not found any information from my predecessor that would explain the objectives of completing a surface water priority pollutant sampling. Given that the QIN WQP’s Water Quality Section Leader was vacant from the last quarter of 2008 to June 2009, I entered the WQP at the end of June 2009, and there was no existing priority pollutant quality assurance project plans (QAPP) in place, the QIN was not able to complete a surface water priority pollutant sampling event in the first six months of 2009. However, the WQP initiated a contractor solicitation to write and update monitoring project QAPPs in late October. This solicitation resulted in the receipt of information from seven interested consultants. Four of the seven consultants (GeoEngineers, Watershed Networks, LLC, Herrera Environmental, and Entrix) were all interviewed and GeoEngineers was selected in early December 2009 to provide the WQP QAPP development and other related monitoring project technical assistance.

GeoEngineers was under contract with the QIN on December 11, 2009 and wrote a draft final surface water priority pollutant QAPP for the WQP. This draft final QAPP was submitted, reviewed, and received preliminary final approval from EPA to proceed with the sample event on December 23, 2009 thanks to EPA’s quick review and willingness to be available to meet and instruct us how to finalize the document. The WQP subsequently initiated a December 28, 2009 surface water priority pollutant monitoring project sampling event. Monitoring data from this

sampling event were received in mid January 2010 and are currently being reviewed by GeoEngineers. GeoEngineers will analyze and interpret this data for the WQP and provide the written report regarding data results (as compared to national water quality criteria) in the next month.

Task 2: Weekly monitoring of 20 sampling stations (actually is 18 stations) within the reservation for basic physical and chemical parameters such as temperature, dissolved oxygen, total dissolved solids, pH, and conductivity and entry into a data base for the purposes of water quality planning, pollution control, and environmental risk assessments. The four watersheds where the 18 water quality stations exist include the Moclips, Quinault, Raft, and Queets Rivers. There was one notable hot spell in the last week of July 2009 where maximum air temperatures exceeded 100° F for several days in western Washington including on the QIR.

By and large, weekly sampling of these 18 stations occurred during the reporting period except for the weeks around some holidays ([July – 4th of July and Quinault Days] and Thanksgiving) and around weeks when we attended trainings at distal locations (September when at TSWAN meeting in Lewiston, ID and end of October when at EPA's Watershed Academy Training). Overall, the WQP completed 23 sampling events at our current 18 ambient water quality monitoring stations during this reporting period.

In the first couple months of the my tenure I learned that the WQP water quality monitoring equipment (Hydrolab Minisonde 5 unit) used to collect ambient monitoring water quality data had not been maintained or calibrated in almost two years. Hence, between late August and October, the WQP sent both of our Hydrolab Minisonde 5 units to Hach to have a maintenance check (to determine status of existing program equipment, to determine if we would retain [and repair/maintain] existing equipment or purchase new equipment, and to calibrate the units. Hach determined that a dissolved oxygen membrane cap had to be replaced on one of the Hydrolab Minisonde 5 units and that both of the Hydrolab Minisonde 5 units were no longer calibrated. In October we decided to have Hach Company maintain and repair our Hydrolab Minisonde 5 units and calibrate the units so we could continue using these units to gather our ambient monitoring water quality data.

Consequently, the accuracy of our 2009 (and late 2008) ambient monitoring data are in question. To assess this issue, I decided to compare 2009 weekly ambient monitoring water quality data to similar data gathered at the same monitoring project station network for calendar years 2005, 2006, 2007, and 2008. I specifically looked at exceedence data for both stream water temperature and pH. While these water quality parameters vary from year to year, I found that the 2009 exceedence trends for both water temperature (>16.0 Celsius) and low pH (<6.5) were similar to 2005, 2006, 2007, 2008 data for all stations. Consequently, I have decided the 2009 data must be caveated for accuracy, but in general is comparable to previous water quality trends seen at our ambient monitoring station network.

Exceedences of surface water temperature and pH criteria were seen at most QIR water quality stations during 2009 for part of the year as compared to the Colville EPA promulgated water quality standards for water temperature (>16° Celsius) and pH (<6.5). In general, measured 2009 water quality exceedences by watershed are as follows:

2008 Bacteria Surface Water Sampling Results		
Date	Location	E-Coli (per 100 mL)
1/16/08	CS-1 Moclips River	3
1/16/08	CS-2 Quinault River Mouth	20
1/16/08	CS-3 Raft River	0
1/16/08	CS-4 Queets River - Hwy 101	1
1/16/08	CS-5 Lake Quinault-Amanda Park	3
1/16/08	CS-6 Lake Quinault - Falls Creek	1
2/27/08	CS-1 Moclips River	2
2/27/08	CS-2 Quinault River Mouth	4
2/27/08	CS-3 Raft River	1
2/27/08	CS-4 Queets River - Hwy 101	5
2/27/08	CS-5 Lake Quinault-Amanda Park	9
2/27/08	CS-6 Lake Quinault - Falls Creek	0
3/25/2008	CS-1 Moclips River	6
3/25/2008	CS-2 Quinault River Mouth	124
3/25/2008	CS-3 Raft River	1
3/25/2008	CS-4 Queets River - Hwy 101	4
3/25/2008	CS-5 Lake Quinault-Amanda Park	49
3/25/2008	CS-6 Lake Quinault - Falls Creek	0
4/30/2008	CS-1 Moclips River	2
4/30/2008	CS-2 Quinault River Mouth	16
4/30/2008	CS-3 Raft River	4
4/30/2008	CS-4 Queets River - Hwy 101	5
4/30/2008	CS-5 Lake Quinault-Amanda Park	3
4/30/2008	CS-6 Lake Quinault - Falls Creek	0
5/29/2008	CS-1 Moclips River	9
5/29/2008	CS-2 Quinault River Mouth	22
5/29/2008	CS-3 Raft River	7
5/29/2008	CS-4 Queets River - Hwy 101	3
5/29/2008	CS-5 Lake Quinault-Amanda Park	6
5/29/2008	CS-6 Lake Quinault - Falls Creek	23
6/24/2008	CS-1 Moclips River	20
6/24/2008	CS-2 Quinault River Mouth	6
6/24/2008	CS-3 Raft River	39
6/24/2008	CS-4 Queets River - Hwy 101	2

6/24/2008	CS-5 Lake Quinault-Amanda Park	9
6/24/2008	CS-6 Lake Quinault - Falls Creek	0
7/30/2008	CS-1 Moclips River	260
7/30/2008	CS-2 Quinault River Mouth	60
7/30/2008	CS-3 Raft River	DID NOT SAMPLE
7/30/2008	CS-4 Queets River - Hwy 101	157
7/30/2008	CS-5 Lake Quinault-Amanda Park	57
7/30/2008	CS-6 Lake Quinault - Falls Creek	0
8/28/2008	CS-1 Moclips River	219
8/28/2008	CS-2 Quinault River Mouth	219
8/28/2008	CS-3 Raft River	56
8/28/2008	CS-4 Queets River - Hwy 101	111
8/28/2008	CS-5 Lake Quinault-Amanda Park	62
8/28/2008	CS-6 Lake Quinault - Falls Creek	51
9/30/2008	CS-1 Moclips River	9
9/30/2008	CS-2 Quinault River Mouth	2
9/30/2008	CS-3 Raft River	10
9/30/2008	CS-4 Queets River - Hwy 101	68
9/30/2008	CS-5 Lake Quinault-Amanda Park	2
9/30/2008	CS-6 Lake Quinault - Falls Creek	0
10/23/2008	CS-1 Moclips River	7
10/23/2008	CS-2 Quinault River Mouth	19
10/23/2008	CS-3 Raft River	9
10/23/2008	CS-4 Queets River - Hwy 101	37
10/23/2008	CS-5 Lake Quinault-Amanda Park	0
10/23/2008	CS-6 Lake Quinault - Falls Creek	12
11/25/2008	CS-1 Moclips River	1
11/25/2008	CS-2 Quinault River Mouth	74
11/25/2008	CS-3 Raft River	23
11/25/2008	CS-4 Queets River - Hwy 101	17
11/25/2008	CS-5 Lake Quinault-Amanda Park	12
11/25/2008	CS-6 Lake Quinault - Falls Creek	4
12/29/2008	CS-1 Moclips River	7
12/29/2008	CS-2 Quinault River Mouth	326
12/29/2008	CS-3 Raft River	DID NOT SAMPLE
12/29/2008	CS-4 Queets River - Hwy 101	16
12/29/2008	CS-5 Lake Quinault-Amanda Park	15
12/29/2008	CS-6 Lake Quinault - Falls Creek	2

6/24/2008	CS-5 Lake Quinault-Amanda Park	9
6/24/2008	CS-6 Lake Quinault - Falls Creek	0
7/30/2008	CS-1 Moclips River	260
7/30/2008	CS-2 Quinault River Mouth	60
7/30/2008	CS-3 Raft River	DID NOT SAMPLE
7/30/2008	CS-4 Queets River - Hwy 101	157
7/30/2008	CS-5 Lake Quinault-Amanda Park	57
7/30/2008	CS-6 Lake Quinault - Falls Creek	0
8/28/2008	CS-1 Moclips River	219
8/28/2008	CS-2 Quinault River Mouth	219
8/28/2008	CS-3 Raft River	56
8/28/2008	CS-4 Queets River - Hwy 101	111
8/28/2008	CS-5 Lake Quinault-Amanda Park	62
8/28/2008	CS-6 Lake Quinault - Falls Creek	51
9/30/2008	CS-1 Moclips River	9
9/30/2008	CS-2 Quinault River Mouth	2
9/30/2008	CS-3 Raft River	10
9/30/2008	CS-4 Queets River - Hwy 101	68
9/30/2008	CS-5 Lake Quinault-Amanda Park	2
9/30/2008	CS-6 Lake Quinault - Falls Creek	0
10/23/2008	CS-1 Moclips River	7
10/23/2008	CS-2 Quinault River Mouth	19
10/23/2008	CS-3 Raft River	9
10/23/2008	CS-4 Queets River - Hwy 101	37
10/23/2008	CS-5 Lake Quinault-Amanda Park	0
10/23/2008	CS-6 Lake Quinault - Falls Creek	12
11/25/2008	CS-1 Moclips River	1
11/25/2008	CS-2 Quinault River Mouth	74
11/25/2008	CS-3 Raft River	23
11/25/2008	CS-4 Queets River - Hwy 101	17
11/25/2008	CS-5 Lake Quinault-Amanda Park	12
11/25/2008	CS-6 Lake Quinault - Falls Creek	4
12/29/2008	CS-1 Moclips River	7
12/29/2008	CS-2 Quinault River Mouth	326
12/29/2008	CS-3 Raft River	DID NOT SAMPLE
12/29/2008	CS-4 Queets River - Hwy 101	16
12/29/2008	CS-5 Lake Quinault-Amanda Park	15
12/29/2008	CS-6 Lake Quinault - Falls Creek	2